

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for genetic transformation of tomato or melon, said method comprising the steps of:

(a) preparing a silicon carbide fibers solution;

(b) preparing a pollen germination medium;

(c) preparing a DNA solution;

(d) mixing said silicon carbide fiber solution with said pollen germination medium and said DNA solution to form a mixture;

(e) adding fresh pollen into said mixture to form a paste;

(f) vortexing said paste for 30-60 seconds, thereby producing a vortexed paste;

(g) applying said vortexed paste on female reproduction plant parts of melon or tomato plants for pollination; and

(h) ~~selection of~~ selecting transformants.

2. (Previously Presented) The method of Claim 1, wherein the silicon carbide fibers of said silicon carbide